

**DECLARATION UNDER 35 USC §371(c)(4) FOR
PCT APPLICATION FOR UNITED STATES PATENT**
米国特許向けPCT出願用米国法第35章371条(c)(4)項に基づく特許出願宣言書

Japanese Language Declaration

私は、下欄に氏名を記載した発明者として、以下のとおり宣言する:

As a below named inventor, I hereby declare that:

私の住所、郵便宛先および国籍は、下欄に氏名に続いて記載したとおりである。

My residence, post office address and citizenship are as stated below next to my name.

下記名称の発明に関し、特許請求の範囲に記載し、特許を求める主題の本来の、最初にして唯一の発明者である(一人の氏名のみが下欄に記載されている場合)か、もしくは本来の、最初にして共同の発明者である(複数の氏名が下欄に記載されている場合)と信ずる。

I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought, namely the invention entitled:

MANUFACTURING METHOD OF CERAMIC STRUCTURE

前記発明は下記番号および提出日を有する国際出願として記載および請求されたものである。

described and claimed in the international application with the following number and filing date:

Number (番号): PCT/JP2003/016378

Filing Date (提出日): December 19, 2003

私は、特許請求項(前記に補正が記載されている際、それをも含む)を含む前記明細書の内容を検討し、理解したことを陳述する。

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦施行規則第37章第1条第56項に従い、本願の特許性について重要な情報を特許庁に開示すべき義務を有することを認める。

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations §1.56.

米国法第35章第119条に基づき、私の国際出願提出される前の一年前以内に私もしくは法廷代理人もしくは譲渡人が提出した下記の外国特許出願の外国優先権利益を主張する:

Under Title 35, United States Code §119, the priority benefits of the following foreign application(s) filed by me or my legal representatives or assigns within one year prior to my international application are hereby claimed:

Prior foreign and/or provisional applications
先行外国出願/仮出願

<u>2002-376960</u> (Number/番号)	<u>Japan</u> (Country/国名)	<u>26/12/2002</u> (Day/Month/Year Filed/提出年月日)
<u> </u> (Number/番号)	<u> </u> (Country/国名)	<u> </u> (Day/Month/Year Filed/提出年月日)
<u> </u> (Number/番号)	<u> </u> (Country/国名)	<u> </u> (Day/Month/Year Filed/提出年月日)
<u> </u> (Number/番号)	<u> </u> (Country/国名)	<u> </u> (Day/Month/Year Filed/提出年月日)

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この発明に関する特許もしくは発明者証用の下記の出願が、(a)私の国際出願提出される前の一年前以内もしくは(b)上記外国優先出願の提出日前に米国以外の国で提出されたものである:

The following application(s) for patent or inventor's certificate on this invention were filed in countries foreign to the United States of America either (a) more than one year prior to my international application, or (b) before the filing date of the above-named foreign priority application(s):

(Application Serial No./出願番号)	(Filing Date/提出日)	(Status: Patented, Pending, abandoned/ 現状: 特許成立、係属中、放棄済み)
(Application Serial No./出願番号)	(Filing Date/提出日)	(Status: Patented, Pending, abandoned/ 現状: 特許成立、係属中、放棄済み)

この出願に関する書類送付先は下欄のとおりである:

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO:

OLIFF & BERRIDGE, PLC
CUSTOMER NUMBER 25944
TELEPHONE (703) 836-6400

私は、この特許出願宣言書の内容を検討し、理解し、ここに自己の知識に基づいて行った陳述がすべて真実であり、自己の有する情報および信ずるところに従って行った陳述が真実であると信じ、さらに故意に虚偽の陳述等を行った場合、米国法第18章第1001条により、罰金もしくは禁錮に処せられるか、またはこれらの刑が併科され、またかかる故意による虚偽の陳述が本願ないし本願に対して付与される特許の有効性を損なうことがあることを認識して、以上の陳述を行ったことを宣言する。

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor/単独または第一発明者の氏名 Isao ITO	
Inventor's signature/同発明者の署名 (ISA O ITO)	Date/日付 January 17, 2006
Residence/住所 Toyoake-shi, Aichi, Japan JPX	
Citizenship/国籍 Japanese	
Post Office Address/郵便宛先 c/o NGK INSULATORS, LTD. 2-56, Suda-cho, Mizuho-ku, Nagoya-shi, Aichi 467-8530 Japan	

Supply similar information and signature for second and subsequent joint inventors.
第二又はそれ以降の共同発明者に対しても同様な情報および署名を提供すること

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ACT/ 2/2

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Full name of second inventor(if any)/第二共同発明者の氏名(該当する場合)	
<u>Yoshinori YAMAMOTO</u>	
Second inventor's signature/同発明者の署名 (<u>Yoshinori Yamamoto</u>)	Date/日付 December 27, 2005
Residence/住所 Nishikamo-gun, Aichi, Japan JPX	
Citizenship/国籍 Japanese	
Post Office Address/郵便宛先 c/o NGK INSULATORS, LTD. 2-56, Suda-cho, Mizuho-ku, Nagoya-shi, Aichi 467-8530 Japan	
Full name of third inventor(if any)/第三共同発明者の氏名(該当する場合)	
<u>Yumi MIUROI</u>	
Third inventor's signature/同発明者の署名 ()	Date/日付
Residence/住所 Nagoya-shi, Aichi, Japan JPX	
Citizenship/国籍 Japanese	
Post Office Address/郵便宛先 c/o NGK INSULATORS, LTD. 2-56, Suda-cho, Mizuho-ku, Nagoya-shi, Aichi 467-8530 Japan	
Full name of fourth inventor(if any)/第四共同発明者の氏名(該当する場合)	
Fourth inventor's signature/同発明者の署名	
Date/日付	
Residence/住所	
Citizenship/国籍	
Post Office Address/郵便宛先	
Full name of fifth inventor(if any)/第五共同発明者の氏名(該当する場合)	
Fifth inventor's signature/同発明者の署名	
Date/日付	
Residence/住所	
Citizenship/国籍	
Post Office Address/郵便宛先	

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Full name of second inventor(if any)/第二共同発明者の氏名(該当する場合)	
Yoshinori YAMAMOTO	
Second inventor's signature/同発明者の署名 ()	Date/日付
Residence/住所 Nishikamo-gun, Aichi, Japan	
Citizenship/国籍 Japanese	
Post Office Address/郵便宛先 c/o NGK INSULATORS, LTD. 2-56, Suda-cho, Mizuho-ku, Nagoya-shi, Aichi 467-8530 Japan	
Full name of third inventor(if any)/第三共同発明者の氏名(該当する場合)	
Yumi MUROI	
Third inventor's signature/同発明者の署名 (Yumi Muroi)	Date/日付 January 17, 2006
Residence/住所 Nagoya-shi, Aichi, Japan	
Citizenship/国籍 Japanese	
Post Office Address/郵便宛先 c/o NGK INSULATORS, LTD. 2-56, Suda-cho, Mizuho-ku, Nagoya-shi, Aichi 467-8530 Japan	
Full name of fourth inventor(if any)/第四共同発明者の署名(該当する場合)	
Fourth inventor's signature/同発明者の署名	
Date/日付	
Residence/住所	
Citizenship/国籍	
Post Office Address/郵便宛先	
Full name of fifth inventor(if any)/第五共同発明者の氏名(該当する場合)	
Fifth inventor's signature/同発明者の署名	
Date/日付	
Residence/住所	
Citizenship/国籍	
Post Office Address/郵便宛先	

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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Isao ITO et al.

Group Art Unit: 1755

Application No.: 10/539,589

Filed: February 17, 2006

Docket No.: 124196

For: MANUFACTURING METHOD OF CERAMIC STRUCTURE

**TRANSMITTAL OF POWER OF ATTORNEY AND
STATEMENT UNDER 37 CFR § 3.73(b)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith is a Power of Attorney from the Assignee.

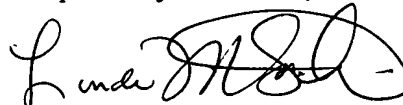
In compliance with 37 CFR §3.73(b), the undersigned hereby states that NGK INSULATORS, LTD. is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors of the patent application identified above. A copy of the assignment is attached hereto and is concurrently being submitted for recordation.

The undersigned is authorized to act on behalf of the assignee.

In accordance with 37 CFR §1.36(a), submission of this Power of Attorney revokes any powers of attorney previously given.

**ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD
BE SENT TO OLIFF & BERRIDGE, PLC, CUSTOMER NO. 25944, TELEPHONE
(703) 836-6400.**

Respectfully submitted,



James A. Oliff
Registration No. 27,075

Linda M. Saltiel
Registration No. 51,122

JAO:LMS/emt
Date: February 17, 2006

EXHIBIT A

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**GENERAL POWER OF ATTORNEY
TO PROSECUTE APPLICATIONS BEFORE
THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Assignee Name and Address: NGK Insulators, Ltd.
2-56, Suda-cho, Mizuho-ku, Nagoya-city
Aichi-prefecture, 467-8530 Japan

appoints the patent practitioners associated with Oliff & Berridge, PLC Customer
Number 25944 to represent it before the United States Patent and Trademark Office in
connection with any and all U.S. patent applications assigned to the above-named assignee.

The undersigned is authorized to act on behalf of the assignee.

**ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD
BE SENT TO OLIFF & BERRIDGE, PLC, CUSTOMER NO. 25944, TELEPHONE
(703) 836-6400.**

October 28, 2004
Date

Takafumi Hochi
Signature

Typed Name: Takafumi Hochi

Title: General Manager, Legal Affairs &
Intellectual Property Department

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ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) Isao ITO (5) _____

(2) Yoshinori YAMAMOTO (6) _____

(3) Yumi MUROI (7) _____

(4) _____ (8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee (9) NGK INSULATORS, LTD.

(10) Insert Address of Assignee (10) 2-56, Suda-cho, Mizuho-ku, Nagoya-shi, Aichi-ken, Japan

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number (11) MANUFACTURING METHOD OF CERAMIC STRUCTURE

(Attorney Docket No. 124169)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of Signing of Application (12) January 17, 2006

on _____

(13) Alternative Identification filed applications (13) U.S. application Serial Number 10/539,589

filed February 17, 2006

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>January 17, 2006</u>	Inventor Signature	<u>ISAO ITO</u> (SEAL) 伊藤様
Date	_____	Inventor Signature	(SEAL) 山本様
Date	_____	Inventor Signature	(SEAL) 宮井様
Date	_____	Inventor Signature	(SEAL)
Date	_____	Inventor Signature	(SEAL)
Date	_____	Inventor Signature	(SEAL)
Date	_____	Inventor Signature	(SEAL)
Date	_____	Inventor Signature	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date	_____	Witness	_____
Date	_____	Witness	_____

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ASSIGNMENT

(1-8) Insert
Name(s)
of Inventor(s)

(1) Isao ITO (5) _____
(2) Yoshinori YAMAMOTO (6) _____
(3) Yumi MUROI (7) _____
(4) _____ (8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9) Insert Name of
Assignee
(10) Insert Address of
Assignee

(9) NGK INSULATORS, LTD.
(10) 2-56, Suda-cho, Mizuho-ku, Nagoya-shi, Aichi-ken, Japan

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert
Identification
such as Title, Case
Number, or Foreign
Application Number

(11) MANUFACTURING METHOD OF CERAMIC STRUCTURE
(Attorney Docket No. 124169)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of
Signing of

(12) December 27, 2005
on

Application

(13) Alternative

(13) U.S. application Serial
Number 10/539,589

Identification for
filed applications

filed February 17, 2006

- 1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date _____	Inventor Signature (_____) (SEAL) 伊藤 様
Date <u>December 27, 2005</u>	Inventor Signature (<u>Yoshinori Yamamoto</u>) (SEAL) 山本 様
Date _____	Inventor Signature (_____) (SEAL) 室井 様
Date _____	Inventor Signature _____ (SEAL)
Date _____	Inventor Signature _____ (SEAL)
Date _____	Inventor Signature _____ (SEAL)
Date _____	Inventor Signature _____ (SEAL)
Date _____	Inventor Signature _____ (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date _____	Witness _____
Date _____	Witness _____

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ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) Isao ITO (5) _____

(2) Yoshinori YAMAMOTO (6) _____

(3) Yumi MUROI (7) _____

(4) _____ (8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee (9) NGK INSULATORS, LTD.

(10) Insert Address of Assignee (10) 2-56, Suda-cho, Mizuho-ku, Nagoya-shi, Aichi-ken, Japan

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number (11) MANUFACTURING METHOD OF CERAMIC STRUCTURE

(Attorney Docket No. 124169)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of Signing of Application (12) January 17, 2006

(13) Alternative Identification for filed applications (13) U.S. application Serial Number 10/539,589

filed February 17, 2006

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date _____	Inventor Signature _____	(SEAL) 伊藤 様
Date _____	Inventor Signature _____	(SEAL) 山本 様
Date <u>January 17, 2006</u>	Inventor Signature <u>Yumi Muroi</u>	(SEAL) 室村 様
Date _____	Inventor Signature _____	(SEAL)
Date _____	Inventor Signature _____	(SEAL)
Date _____	Inventor Signature _____	(SEAL)
Date _____	Inventor Signature _____	(SEAL)
Date _____	Inventor Signature _____	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date _____ Witness _____

Date _____ Witness _____

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